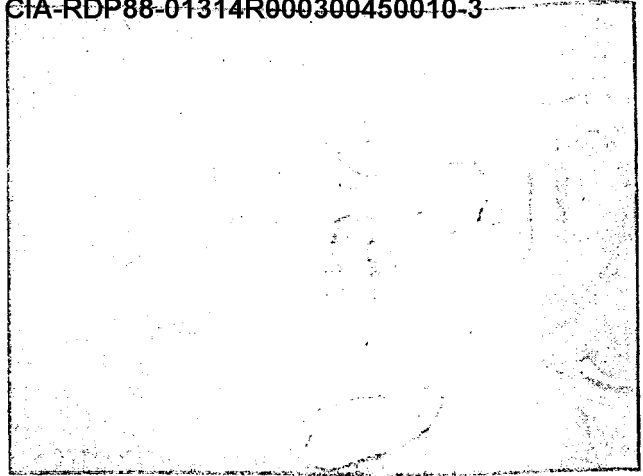
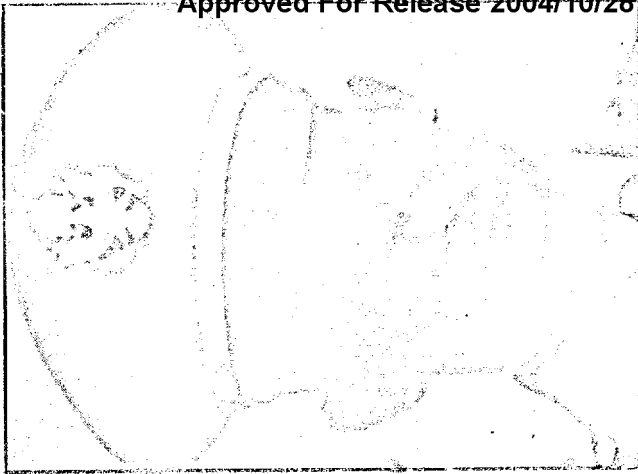


FALL GUYS?



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# Midnight

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NOVEMBER 9, 1970

Vol. 17 — No. 17

## WORLDWIDE EXCLUSIVE! Top Attorneys Charge:

# CIA Framed

# U.S. Troops

doctor will pop it into a special microwave oven, thaw it out before implanting it into his patient's body.

Dr. Hendron B. Lehr, chief of plastic surgery at the University of Pennsylvania Hospital, had been working on rapid thawing and freezing of animal organs for the past 10 years to perfect his technique. He pioneered human skin banks and now claims to be the first to freeze and thaw an animal kidney successfully.

"Don't ask me when a human organ bank will be working because I can't predict that," he says. "All I will say right now is that it will definitely happen, but I can't say when."

"In the human banks at present we have only skin," Dr. Lehr points out. "Its use is confined to burn dressings only. In the animal bank we have frozen kidneys, intestines and stomachs, and we are starting to work on the pancreas and the heart."

"When we can perfect pancreatic transplants, we will be able to end diabetes," he declares.

"The major problem was to find a suitable method of thawing the frozen organ. Quick-freezing has not been a problem but uneven

thawing with frozen organs severely damages organs.

frozen organ it may take a week or two before it recovers from the damage and starts to function," Dr. Lehr explains.

"A kidney patient can be kept alive with a kidney machine but when you transplant a heart you want it to start beating as soon as it goes into the patient."

"It might be conceivable," he continues, "to put it into another donor — human or animal — until it recovers, and then do a direct transplant."

The fact that a patient will need two operations for a thawed-out organ to be prepared for, and accepted by, the human body does not seem to be a major holdback, in many doctors' opinions.

Dr. Norman Shumway of Stanford University, the only U.S. surgeon still doing heart transplants, believes planting an extra heart in the groin or elsewhere in the patient's body for a few days would help it recover before the actual transplant.

"A heart has already been successfully stored in a dog's neck for four days," he revealed.

Dr. Frederick D. Kettere, an electrical engineer on Dr. Lehr's team of experts, has

organ by thawing it out in a microwave oven.

microwave ovens, or, in fact, called, can heat an object to an intense temperature in seconds by bombarding it with microwave radiation.

Its great advantage is that it heats from the inside, not from the outside as ordinary ovens do, so a human organ thawed out in a microwave oven would be merely heated, not roasted.

Electronic engineers and technicians say it's possible to construct a microwave oven with a built-in temperature control.

The human organs would be heated from the inside, not from the outside as ordinary ovens do, but it would be a matter of seconds, not minutes, and wouldn't be damaged by the thawing.

Dr. Horace MacVaugh, assistant chief of plastic surgery at the U. of Pennsylvania Hospital and another member of Dr. Lehr's team, says, "We are not as close to the heart as Dr. Lehr is to the kidney."

He explains that the heart is essentially a mass of muscle from the small bowels and from the stomach. It survives freezing, therefore, every reason to believe that the heart will also survive.

Dr. MacVaugh says



VOL. 17 - NO. 17 NOV. 9, 1970

PUBLISHED WEEKLY BY: Midnight Publishing Corporation.

EDITORIAL AND BUSINESS OFFICES: 1440 St. Catherine St. West, Suite 625, Montreal, Canada. Telephone: 514-866-7744.

SUBSCRIPTIONS: \$5 per year — anywhere in the world.

U.S. BUREAU: 33 North LaSalle St., Chicago, Ill. 60602.

CABLE ADDRESS: Midnews.

ADVERTISING REPRESENTATIVE: Complete Newspaper Representatives Inc., 227 E. 45th St. New York, N.Y. 10017.

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CIRCULATION MANAGER: Aubrey P. Burke.

Authorized as second class mail. Post office, Department, Rouss Point, N.Y.

Second class mail registration number 1558. Copyright 1970, Midnight Publishing Corp.

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PRINTED IN CANADA